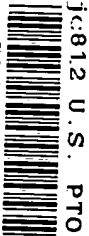


01/02/02



jcs812 U.S. PTO

S/N UNKNOWN

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: CHOE, G. Serial No.: UNKNOWN
 Filed: CONCURRENT HEREWITH Docket No.: SJO9-2001-0040US1
 501.388US01
 Title: A METHOD AND APPARATUS FOR PROVIDING PRECISE CONTROL OF
 MAGNETIC COUPLING FIELD IN NiMn TOP SPIN VALVE HEADS AND
 AMPLITUDE ENHANCEMENT

 U1011 U.S. PTO
 10/038125
 01/02/02

CERTIFICATE UNDER 37 C.F.R. 1.10:

'Express Mail' mailing number: EL733009409US

Date of Deposit: 1-2-02

The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By:

Michele Simmonds

Box PATENT APPLICATION
 Assistant Commissioner for Patents
 Washington, D.C. 20231

- ☒ Patent application including 24 pages of specification, 9 pages of claims, 11 sheets of drawings and 1 page of abstract
☒ Signed Declaration and Power of Attorney
☒ Assignment to International Business Machines Corporation, Recordation Form Cover Sheet, Check for \$40.00
☒ Check(s) in the amount of \$1064.00 for Filing Fees
☒ Transmittal Sheet
☒ Return postcard

Assignee Information for Publication Purposes

Assignee Name: International Business Machines Corporation

Assignee Residence: Armonk, New York

CLAIMS FILED					
	Total Claims	In Excess of	Extra Claims Present	Rate	Fees
Basic Filing Fee					\$ 740.00
Total Claims	38	20	18	X \$18.00	\$ 324.00
Indep. Claims	3	3	0	X \$84.00	\$ 0
Multiply Dependent Claims					\$ 0
TOTAL FEES					\$ 1064.00

Authorization is hereby given to charge any additional fees or credit any overpayments that may be deemed necessary to Deposit Account Number 50-1038.

Respectfully submitted,
 Altera Law Group, LLC
 6500 City West Parkway, Suite 100
 Minneapolis, Minnesota 55344-7701
 952-253-4104

Date:

1/2/02

By:

David W. Lynch
 Reg. No. 36,204

DWL/tmj